

Application No.: 09/720,576
Examiner: Eileen P. Morgan
Group Art Unit: 3723

IN THE CLAIMS:

3. (Amended) A computer program in combination with a computer and a centerless grinding apparatus [on a computer usable medium] for enabling a user through a user interface to control [the process of] the centerless grinding apparatus to dress [dressing] a grinding wheel using a wheel dressing roller supported on a spindle, [the grinding wheel and the wheel dressing roller being of a centerless grinding apparatus, the program] comprising:

means for displaying a computer screen template having various value display windows, said template including [which includes] at least one data input value display window [receptacle], the value displayed in the display window corresponding to a numerically controlled pattern of dressing, and said pattern of dressing being variable by changing the value in the display window [receptacle relating to a variable];

means for accepting a value from the user and displaying the value in the value window [receptacle] ;

whereby selecting a value in the display windows automatically creates a new program to control the grinding apparatus to dress the grinding wheel in a desired configuration.

4. The program according to claim 3, further comprising means for changing the value in the value windows [receptacle] to increase or decrease the values displayed in the value windows [tolerances] by using a mouse to scroll up or down a value list.

Please cancel claim 5.

6. (Amended) A computer program in combination with a computer and a centerless grinding apparatus [on a computer usable medium] for enabling a user through a user

Application No.: 09/720,576
Examiner: Eileen P. Morgan
Group Art Unit: 3723

interface to control [the process of] the centerless grinding apparatus to dress [dressing] a regulating roller using a grinding wheel, both supported on a spindle of a centerless grinding apparatus, [the program] comprising:

means for displaying a computer screen template having various value display windows, said template including [which includes] at least one data input value display window [receptacle], the value displayed in the display window corresponding to a numerically controlled pattern of regulator dressing, and said pattern of dressing being variable by changing the value in the display window [receptacle] relating to a variable in the process of dressing a regulating roller;

means for accepting a value from the user and displaying the value in the value window [receptacle] ;

whereby selecting a value in the display window automatically programs the computer to dress the regulating wheel in a desired configuration .

7. The program according to claim 6, further comprising means for [transferring] changing the value in the value [receptacle to ???] display window to either increase or decrease the values [tolerances].

8. The program according to claim 6, further comprising means for enabling modification of the accepted value.

11. A computer system for enabling the [construction] creation of a computer program by a user using display monitor value windows [screen forms], the computer program [for obtaining data] to control [the motions of] a centerless grinding apparatus, the computer system also for compiling [the obtained] data so that the centerless grinding [machine] apparatus performs as the user specifies, the computer system comprising:

means for displaying a program screen form having at least one value display window [receptacle] which relates to a variable in the process of grinding with a centerless grinding apparatus;

Application No.: 09/720,576
Examiner: Eileen P. Morgan
Group Art Unit: 3723

means for accepting a value from the user and displaying the value in the value *display window* [receptacle];

means for sending the accepted value to a computer program for operating the grinding apparatus; and

means for creating [compiling] the computer program containing the accepted value [to a state] such that the computer program [may be understood by] controls the grinding apparatus.

Respectfully submitted,

STEVEN G. SMARSH, ET AL.
CARGILL & ASSOCIATES, P.L.L.C.

Lynn E. Cargill
Registration No. 31,598
56 Macomb Place
Mt. Clemens MI 48043-5636
(586) 465-6600

Date: January 13, 2003

(S) (FOUO), NQJTHP O A K e p O I L V B